IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No.

10/718,442

Confirmation No.

9830

Applicant

Thomas E. Creamer

Filed

November 20, 2003

TC/A.U.

2151

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Examiner

Walsh, John B.

Docket No.

BOC9-2003-0055 (426)

DECLARATION UNDER 37 C.F.R. § 1.131

Commissioner for Patents P. O. Box 1450 Alexandria, VA 22313-1450

Sir:

- I, Thomas E. Creamer, a citizen of the United States, residing in Boca Raton, Plonds. hereby declare and state as follows:
- 1. I was employed by International Business Machines Corporation (IBM) of Armonk, New York at the time the above-identified application was conceived. I make this declaration in support of the above-identified application.
- 2 IBM has invested substantial time and effort into the research, development, and marketing of their products, and in an effort to protect its rights in all new inventions. IBM requests that all employees prepare and submit confidential invention Disclosure Forms upon conception by the inventor(s).
- 3: As a named co-inventor for this invention, I and my co-inventors prepared and submitted the attached invention Disclosure No. BOC8-2002-0108 (hereinafter "Invention Disclosure") pursuant to IBM guidelines.
- 4. The Invention Disclosure was originally submitted for consideration to an IBM Attorney/Palent Professional for preparation of a patent application on October 15, 2002, and was insubstantially modified on October 28, 2002. The content of the Invention Disclosure has not been subsequently modified. The Invention Disclosure represents a fully conceived and workable invention as written. I reviewed the claims of the above-mentioned patent application prior to submission of the application to assure the claimed invention was fully supported by the

1

Invention Disclosure in light of the Invention Disclosure and art known at the time of the disclosure.

- I diligently worked with outside counsel to prepare and file the above-mentioned parent application.
- 6. I make this Declaration to establish that my co-inventors and I conceived of the present invention at least as early as October 15, 2002, and exercised due diligence from that date to the date of filing for the above-identified patent application.
- I further declare that all statements made herein of my own knowledge are true and all statements made on information and belief are believed to be true and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment or both under Section 1001 of Title 18 of the United States Code, and that such willful, false statements may jeopardize the validity of the above-identified patent application or any patent issuing thereon.

Thomas E. Creamer

Date: 7-10- 2008

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No.

10/718,442

Confirmation No.

9830

Applicant

Thomas E. Creamer

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Examiner

Walsh, John B.

Docket No.

BOC9-2003-0055 (426)

DECLARATION UNDER 37 C.F.R. § 1.131

Commissioner for Patents P. O. Box 1450 Alexandria, VA 22313-1450

Sir:

- I, Joseph H. McIntyre, a citizen of the United States, residing in Austin, Texas, hereby declare and state as follows:
- I was employed by International Business Machines Corporation (IBM) of Armonk, New York at the time the above-identified application was conceived. I make this declaration in support of the above-identified application.
- 2. IBM has invested substantial time and effort into the research, development, and marketing of their products, and in an effort to protect its rights in all new inventions, IBM requests that all employees prepare and submit confidential invention Disclosure Forms upon conception by the inventor(s).
- 3: As a named co-inventor for this invention, I and my co-inventors prepared and submitted the attached Invention Disclosure No. BOC8-2002-0108 (hereinafter "Invention Disclosure") pursuant to IBM guidelines.
- 4. The Invention Disclosure was originally submitted for consideration to an IBM Attorney/Patent Professional for preparation of a patent application on October 15, 2002, and was insubstantially modified on October 28, 2002. The content of the Invention Disclosure has not been subsequently modified. The Invention Disclosure represents a fully conceived and workable invention as written. I reviewed the claims of the above-mentioned patent application prior to submission of the application to assure the claimed invention was fully supported by the

prior to submission of the application to assure the claimed invention was fully supported by the Invention Disclosure in light of the Invention Disclosure and art known at the time of the disclosure.

- 5. I diligently worked with outside counsel to prepare and file the above-mentioned patent application.
- 6. I make this Declaration to establish that my co-inventors and I conceived of the present invention at least as early as October 15, 2002, and exercised due diligence from that date to the date of filing for the above identified patent application.
- 7. I further declare that all statements made herein of my own knowledge are true and all statements made on information and belief are believed to be true and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment or both under Section 1001 of Title 18 of the United States Code, and that such willful, false statements may jeopardize the validity of the above-identified patent application or any patent issuing thereon.

Joseph H. McIntyre

Date: 4 Aux wit 2008

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No.

10/718,442

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Applicant

Thomas E. Creamer

Filed

November 20, 2003

TC/A.U.

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Examiner

Walsh, John B.

Docket No.

BOC9-2003-0055 (426)

DECLARATION UNDER 37 C.F.R. § 1.131

Commissioner for Patents P. O. Box 1450 Alexandria, VA 22313-1450

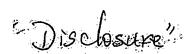
Sir:

- I, Victor S. Moore, a citizen of the United States, residing in Lake City, Florida, hereby declare and state as follows:
- I was employed by International Business Machines Corporation (IBM) of Armonk, New York at the time the above-identified application was conceived. I make this declaration in support of the above-identified application.
- 2. IBM has invested substantial time and effort into the research, development, and marketing of their products, and in an effort to protect its rights in all new inventions, IBM requests that all employees prepare and submit confidential invention Disclosure Forms upon conception by the inventor(s).
- 3. As a named co-inventor for this invention, I and my co-inventors prepared and submitted the attached Invention Disclosure No. BOC8-2002-0108 (hereinafter "Invention Disclosure") pursuant to IBM guidelines.
- 4. The Invention Disclosure was originally submitted for consideration to an IBM Attorney/Patent Professional for preparation of a patent application on October 15, 2002, and was insubstantially modified on October 28, 2002. The content of the Invention Disclosure has not been subsequently modified. The Invention Disclosure represents a fully conceived and workable invention as written. I reviewed the claims of the above-mentioned patent application prior to submission of the application to assure the claimed invention was fully supported by the

Invention Disclosure in light of the Invention Disclosure and art known at the time of the disclosure.

- Idiligently worked with outside counsel to prepare and file the above-mentioned patent application.
- 6. I make this Declaration to establish that my co-inventors and I conceived of the present invention at least as early as October 15, 2002, and exercised due diligence from that date to the date of filing for the above identified patent application.
- 7. I further declare that all statements made herein of my own knowledge are true and all statements made on information and belief are believed to be true and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment or both under Section 1001 of Title 18 of the United States Code, and that such willful, false statements may jeopardize the validity of the above-identified patent application or any patent issuing thereon.

Victor S. Moore	7 7 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
(m) Share		
Date:		





Disclosure BOC8-2002-0108
Prepared for and/or by an IBM Attorney - IBM Confidential

Created By Tom Creamer On 10/15/2002 11:19:08 AM MDT Last Modified By Tom Creamer On 10/28/2002 04:26:18 PM EST

Required fields are marked with the asterisk $(\tilde{\ })$ and must be filled in to complete the form .

*Title of disclosure (in English)
Web Services using WebSphere Telecom Application Server

Summary		te.	· · · · · · · · · · · · · · · · · · ·		المراجع والراجع
Status	Under Ev	raluation.			
Final Deadline				*	
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Attorney/Patent Pro	fessional	Richard Tomlin/Boca R	aton/IBM	erical de la companya della companya de la companya de la companya della companya	was also a second
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Submitted Date	10/25/20	02 08:07:27 AM MDT	e sala e e e e e e e e e e e e e e e e e e		
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Inventors with a Blu Inventors: Tom Crean Inventor Name	e Pages entr	ry ale/IBM, Vic Moore/Fort L Inventor Serfal Div/Dept	Inventor	McIntyre/Austin/IBM Manager Name	
SAMUEL THE NOSER			NIII YARAN MARIAN M		
> denotes primary contac	ct			•	-
Inventors without a	Blue Pages	entry			

IDT Selection

Attorney/Patent Professional IDT Team

Richard Tomlin/Boca Raton/IBM

Sandra Garcia/Austin/Contr/IBM

BOC8-2002-0108 Web Services ... g. WebSphere Telecom Application Server - confine

James Smith/Austin/IBM Leonel Machuca/Austin/Contr/IBM

Response Due to IP&L 11/28/2002

'Main Idea

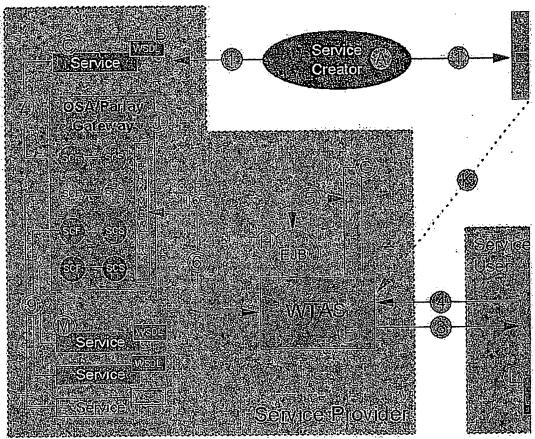
1. Describe your invention, stating the problem solved (if appropriate), and indicating the advantages of using the invention.

Providing web services in an open internet environment is not possible today when a Parlay Gateway is involved. The Parlay Gateway is seen by service providers (SPs) as a "secure bridge" between the trusted, secure SP network and the untrusted internet environment. This invention describes a method and system for allowing services provided by an SP to become available to users (individuals or businesses) of the internet via web services.

2. How does the invention solve the problem or achieve an advantage, (a description of "the invention", including figures inline as appropriate)?

This file contains a Lotus Freelance version of the graphic below ... Web Services with WTAS.pr.

Web Services via WTAS



Each Service has a method "get_WSDLO"

This figure above shows the steps involved in creating a service, which is to become a part of the service provider (SP) domain. In addition, the service is to be published to a Web Services directory so that users (individuals or businesses) of the Internet can locate and access capabilities provided by the service via the SP.

1a. A Service Creator (A - an individual service developer, service development company, or the SPs service development group) creates a service (C - a tax preparation service, which will be used throughout the remaining steps) component along with a WSDL (B - Web Service Definition Language) component. The service (C) and the WSDL (B) components are installed into the SP environment.

Note: The WSDL is accessed as one of the methods provided by the service (C)

- 1b. In addition the Service Creator (A) publishes the service (C name and other pertinent description data see note below) to the UDDI (D Universal Description, Discovery and Integration) server.
- Note: The pertinent description data contains an application description, WSDL pointer and method call definitions. In this disclosure the WSDL pointer is actually a method supported by the service and is contained in the method call definitions.
- 2. An internet user (L) using a broswer with a web services application (E) queries the UDDI server (D) for a tax preparation service (such as C).
- 3. The UDDI server (D) returns to the web services application (E) all of the tax preparation services, which includes a reference (K) for the tax preparation service (C) from the SP.
- 4. The Internet user (L) decides to use the tax preparation service (C) and selects this option on the web services application (E). The web services application (E) sends a message to the reference (K), which is the WTAS (F WebSphere Telecom Application Server).

Note: The WSDL is returned to the web services application (E) via a method call to the tax preparation service (C).

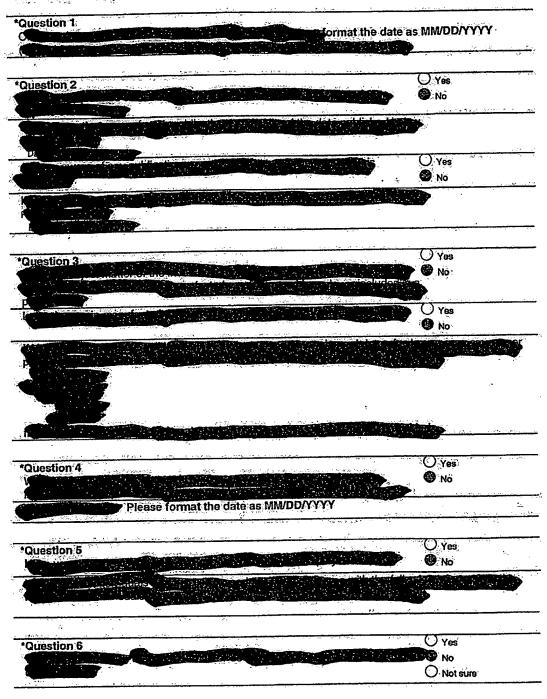
- 5. The WTAS starts the appropriate (referenced K) servlet (G), which has a reference to an EJB (H-Enterprise Java Bean).
- 6. The EJB (H) uses an API (Application Programming Interface) over CORBA/IIOP (Common Request Broker Architecture/Internet Inter-ORB Protocol) to communicate with the OSA/Parlay Gateway (J Open Services Architecture). The OSA/Parlay gateway (J) has two sub-components which support the tax preparation service (C); the SCS (Service Capability Server) and the SCF (Service Capability Function). The SCS is generic in nature and could be used to interface to a variety of different tax preparation services/applications provided by the SP. The SCF is specific to a particular tax preparation service/application.
- A complication of the SCS and SCF provides the ability to communicate netween the OSA/Parlay Gateway (J) and the Tax preparation service (C).
- 8. Communications between the tax preparation service (C) and the web services application (E) is now established and the Internet user (L) can use the tax preparation service (C) under the control (usage, billing, security, etc.) of the SP.
- 9. Other services (M, for example) can be instanciated by following steps 1a and 1b. Internet users (L, for example) would follow steps 2 through 8 to locate and obtain access to services (C and M as examples).

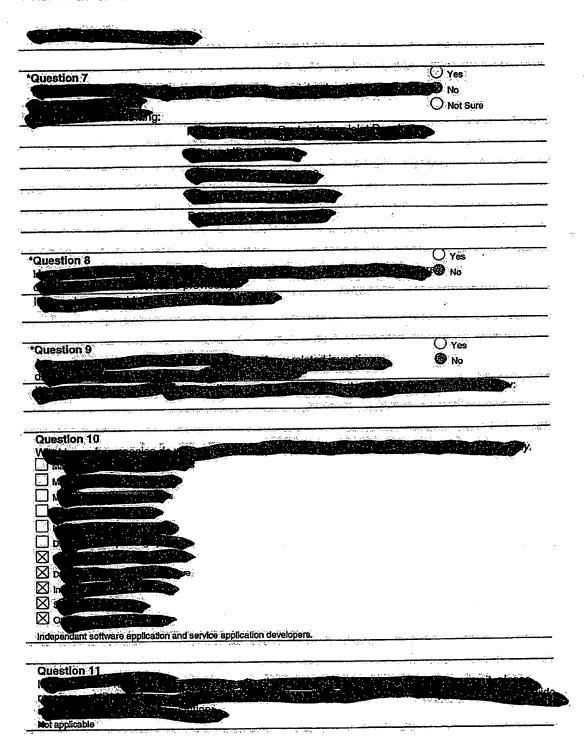
The descriptions and references are specific to the using WTAS as an interface for services discovered using web services. This disclosure should not be limited to WTAS except as an implementation example.

- 3. If the same advantage or problem has been identified by others (inside/outside IBM), how have those others solved it and does your solution differ and why is it better?
 None are know at this time.
- 4. If the invention is implemented in a product or prototype, include technical details, purpose, disclosure details to others and the date of that implementation.

 This has not been implemented as a product or prototype as described above in question #2.

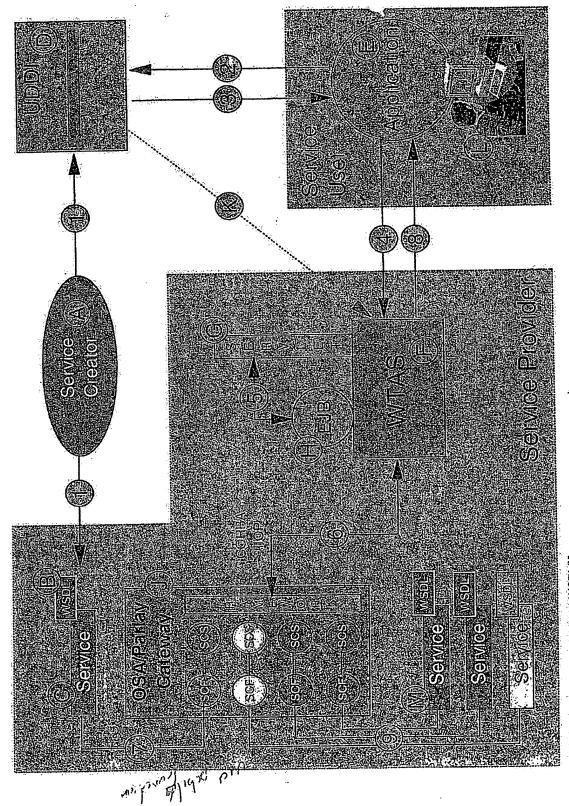
*Critical Questions (Questions 1-9 must be answered in English)





*Patent Value Tool (Optional - this may be used by the inventor and attorney to assist with the evalu Post Disclosure Text & Drawings

Form Revised 09/01/02)



Each Service has a method "get_WSDL()"

8051 Congress Avenue Boca Raton, FL 33487

> C0169-426 12/17/03

June 20, 2003

Akerman, Senterfitt 222 Lakeview Avenue 4th Floor West Palm Beach, FL 33401

REF: Invention Disclosure: BOC8-2002-0108

Title: Web Services using WebSphere Telecom Application Server.

IBM Docket: BOC9-2003-0055

Dear Kevin,

Please prepare and file the above referenced case with the U.S. Patent and Trademark Office: A copy of the invention disclosure, patentability search results and inventor's comments are enclosed for your use in preparation of the application in accordance with IBM's format.

Sincerely,

Richard A. Tomlin

Intellectual Property Law Department

Rechard a Donte

(561)862-2732

Enclosures

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STERMAN SPORTS FOR PA

Boca Raton Fort Lauderdate Jacksonville Miami Orlando Tallahassee Tampa West Palm Beach

FEXELIHB"

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Akeman Senterfitt

222 Lakeview Avenue 4th Floor West Palm Beach, Florida 33401-6147 Post Office Box 3188 mail West Palm Beach, Florida 33402-3188

www sleeman com

561 653 5000 tel - 561 659 6313 fax

Direct Dial: 561-671-3658 E-Mail: kcuenot@akerman.com

June 24, 2003

Richard A. Tomlin, Esquire IBM Corporation 8051 Congress Avenue IMAD 4041 Boca Raton, FL 33487

RF

New U.S. Patent Application

WEB SERVICES USING WEBSPHERE TELECOM APPLICATION

SERVER

IBM Docket No. BOC9-2003-0055; Our Reference No.: 6169-426

Dear Dick:

Thank you for your letter dated June 20, 2003. In accordance with IBM standard protocol, a patent application will be prepared and filed in the above-referenced matter on or before December 17, 2003. Notwithstanding, we will strive to prepare the patent application in an expedient manner.

As always, thank you for allowing us to be of assistance to you.

Very truly yours,

AKERMAN SENTERFITT

Kevin T. Cuenot

KTC/vb

[WP138717;1]

....

From:

Alaine Allison

creamer@us.lbm.com; McIntyre, Joseph H.; vmoore@us.lbm.com

To: Date:

11/4/03 4:59PM

Subject:

IBM Docket No. BOC9-2003-0055 / 6169-426

Draft Patent Application for PROVIDING WEB SERVICES FROM A SERVICE ENVIRONMENT WITH A GATEWAY IBM Docket No. BOC9-2003-0055; Our Reference No. 6169-426

Dear Inventors:

Attached please find a draft of a patent application and associated drawings for your review in the above-identified matter. Please review the application carefully to ensure that the description of the invention accurately recites all of the invention's characteristics in the broadest possible manner, while also explaining, in detail, the preferred embodiment of the invention. The drawings should also be reviewed to confirm that they accurately depict the various details of the invention as you and your co-inventors understand them.

Importantly, please ensure that each inventor named on the cover sheet of the patent application has contributed to the conception of your invention as described in at least one of these claims. If, for some reason we have neglected to list an inventor who has contributed to the conception of subject matter described in a claim, please so advise us immediately.

Once you have reviewed the draft application, please forward your comments and/or any suggestions you may have.

Please keep in mind that we have been asked by the IP Law Department to file the referenced patent application in the U.S. Patent and Trademark Office on or before year-end, and as such, would appreciate your prompt attention to this request.

Very truly yours;

AKERMAN SENTERFITT

Kevin T. Cuenot, Esquire* 222 Lakeview Avenue, Suite 400 West Palm Beach, FL 33402-3188 Voice: (561) 671-3658 Fax: (561) 659-6313 E-mail: kcuenot@akerman.com Web: www.akerman.com Licensed to practice before the United States Patent and Trademark Office

Sent on Mr. Cuenot's behalf to avoid delay

Alaine Allison Secretary to Kevin T. Cuenot, Esquire and Brian K. Buchhelt, Esquire AKERMAN SENTERFITT 222 Lakeview Avenue, Sulte 400 West Palm Beach, FL 33402 PH: 561-653-5000 FAX: 561-859-6313 E-Mail: aallison@akerman.com

From: "Tom Creamer" < creamer@us.lbm.com> "Alaine Allison" <AAllison@Akerman.com> To: 11/17/2003 2:51 PM Date: Re: IBM Docket No. BOC9-2003-0055 / 6169-426 Subject: "Brian Buchheit" <BBuchheit@Akerman.com>, "Elaine Venturelli" <eventure@us.ibm.com>, "Joe CC: McIntyre" <joe@us.lbm.com>, "Kevin T. Cuenot" <KCuenot@Akerman.com>, "Vic Moore" <vmoore@us.lbm.com> Alaine, I have one minor change and this application is ready for filing. Within the application on page 8 of 17, bottom of paragraph [0025], "WebSphere Telecommunication Application Server (WTAS)" should be changed to "WebSphere Application Server for Telecommunication (WAS-T)" That is all we need changed. Please prepare the final draft for signing and we will review and sign. Thank you. Thomas E. Creamer STSM, S&D Master Inventor PvC Software Technical Sales IBM Sales & Distribution - Americas 8051 Congress Avenue, Boca Raton, FL 33487 Voice: 1-561-862-2739, Fax: 1-561-862-3323/(t/I 975) Mobile: 1-561-654-8233 internet: creamer@us.lbm.com "Alaine Allison' <AAllison@Akerman| .com> 11/04/2003 04:59 Tom Creamer/Fort Lauderdale/IBM@IBMUS, Joe McIntyre/Austin/IBM@IBMUS, Vic Moore/Fort To: Lauderdale/IBM@IBMUS "Brian Buchheit" <BBuchheit@Akerman.com>, "Kevin T. Cuenot" <KCuenot@Akerman.com>, Elaine Venturelli/Boca Raton/IBM@IBMUS Subject: IBM Docket No. BOC9-2003-0055 / 6169-426

Alaine Allison - Re: IBM Docket No. BOC9-2003-0055 / 6169-426

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EZAMBITE"

From:

Alaine Allison

To:

creamer@us.lbm.com; McIntyre, Joseph H.; vmoore@us.lbm.com

Date:

11/18/03 10:33AM

Subject:

IBM Docket BOC9-2003-0055 / Our Docket 6169-426

RE: Final Draft Patent Application for

PROVIDING WEB SERVICES FROM A SERVICE ENVIRONMENT WIHT A GATEWAY

IBM Docket No. BOC9-2003-0055; Our Docket No. 6169-426

Dear Gentlemen:

Enclosed please find for execution a final draft of the above-identified patent application, a REDLINED version of the patent application which reflects the requested revisions, Drawings, the Declaration and Power of Attorney, the Assignment, and the Oath and Assignment for the Republic of China.

After your review of the revised application, if the patent application accurately recites all of the Invention's characteristics, by copy of this e-mail to Melanie Esquivel, please print out the formal documents, have each loca inventor sign and date where indicated, forward to Mr. McIntyre for his signature and review. Once Mr. McIntyre signs all the formal documents, please forward by facsimile transmission to our attention at fax number 561-659-6313.

Please keep in mind that we have been asked by the IP Law Department to file the referenced patent application in the U.S. Patent and Trademark Office on or before year-end, and as such, would appreciate your prompt attention to this request.

Please feel free to contact Mr. Cuenot or myself should you have any questions or comments.

Very truly yours,

AKERMAN SENTERFITT

Kevin T. Cuenot, Esquire*
222 Lakeview Avenue, Sulte 400
West Palm Beach, FL 33402-3188
Voice: (561) 671-3658
Fax: (561) 659-6313
E-mail: kcuenot@akerman.com
Web: www.akerman.com
*Licensed to practice before the
United States Patent and Trademark Office

Sent on Mr. Cuenot's behalf to avoid delay

Alaine Allison
Secretary to Kevin T. Cuenot, Esquire
and Brian K. Buchheit, Esquire
AKERMAN SENTERFITT
222 Lakeview Avenue, Suite 400
West Palm Beach, FL 33402
PH: 581-653-5000 _
FAX: 561-659-6313
E-Mail: aallison@akerman.com

"Toublet F"

Docket No.: BOC9-2003-0055 (426) Express Mail Label No.: EV 346756681 US

DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION

As a below named inventor, I hereby declare that:

My residence, post office address and clizenship are as stated below next to my name; I believe I am an original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled:

PROVIDING WEB SERVICES FROM A SERVICE ENVIRONMENT WITH A GATEWAY

the specification of which is attached hereto and identified by the Attorney Docket Number appearing above.

- I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims.
- I acknowledge the duty to disclose information which is material to the patentability of this application in accordance with Title 37, Code of Federal Regulations, § 1.58.
- I hereby claim foreign priority benefits under Title 35, United States Code, § 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any toreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s)

Number

Country

Day/Month/Year

Priority Claimed

I hereby claim the benefit (a) under Title 35, United States Code, § 119(e) of any U.S. application listed below and identified as a provisional application, or (b) under Title 35, United States Code, § 120 of any U.S. application listed below and not identified as a provisional application, and, insofar as the subject metter of each of the claims of this application is not disclosed in the prior U.S. application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose information material to the patentability of this application as defined in Title 37, Code of Federal Regulations, § 1.59 which occurred between the filing date of the prior application and the national or PCT international filing date of this application.

Prior U.S. Application(s)

Serial Number

Filing Date

Status

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and bellet are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

WP158463:11

Docket No.: BOC9-2003-0055 (428) Express Mail Label No.: EV 346758681 US

As a named inventor, I hereby appoint the following attorneys and/or agents to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

J. Rodman Steele, J	r. Reg. No. 25,931	Theodore M. Green	Reg. No. 41,801
Gregory A: Nelson	Reg. No. 30,577	Michael K. Dixon	Reg. No. 46,665
Joseph W. Bain	Reg. No. 34,290	Sarah E. Smith	Reg. No. 50,488
Stanley Kim	Reg. No. 42,730	Arny A. Ostrom	Reg. No. 52,088
Mark D. Passler	Reg. No. 40,764	Brian K. Buchheit	Reg. No. 52,667
Kevin T. Cuanot	Reg. No. 46,283	Margaret J. McLaren	Reg. No. 53,303
Neil R. Jeller	Reg. No. 46,803	Peter A. Chiabotti	Reg. No. 54,603
Pablo Meles	Reg. No. 33,739	Richard A. Tomlin	Reg. No. 24,449

Send correspondence to Gregory A. Nelson, Akerman Senterfill, 222 Lakeview Avenue, Fourth Floor, P.O. Box 3188, West Paim Beach, Florida 33402-3188 and direct all telephone calls to Gregory A. Nelson at (561) 553-5000.

First Inventor.		÷	*
Signature:	Mrs. E. Crece	4. 2. 2. 2.	11/12/2003.
Residence:	Boca Raton, FL	•	Date
Citizenship:	United States		
Post Office Address:	12877 Hyland Circle, Boca Raton, FL 33428		
Second Inventor.	Joseph H. MCINTYRE		ru y
Signature:	bough NM of the	<u> </u>	11/29/2003
Residence:	Austin, TX		Date
Citizenship:	Ganada United States June		• •
Post Office Address:	1543 Cutting Horse Lane, Austin, TX 78727	•. •	•
Third Inventor,	Victor S. MOORE	:	
Signature:	Cofra-		11/18/03
Residence:	Boynton Beach, FL		Date
Citizenship:	United States	•	
Post Office Address:	4739 Pinetree Drive, Boynton Beach, FL 33436	'	•